



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX TO NORTH AMERICAN MYCOLOGY.

Alphabetical List of Articles, Authors, Subjects, New Species and Hosts, New Names and Synonyms.

W. A. KELLERMAN.

(Continued from page 283, vol. 10.)

- ABERRANT Veil Remnants in some Edible Agarics [*Lepiota naucinus*, *Agaricus amygdalinus* and *Hypholoma appendiculatum*]. William Trelease. Mo. Bot. Garden, 15:83-5. Pl. 30-9. 30 Apr. 1904.
- AECIDIUM clematidis Schw. [belongs to *Puccinia tomipara* Trel. Arthur]. Jour. Mycol. 11:63. Mar. 1905.
- AECIDIUM jalapense Holway n. sp., on *Ipomoea* (jalapa?). Ann. Mycol. 2:392. Sept. 1904.
- AECIDIUM leptotaeniae Lindr., a synonym of *P. jonesii* Pk. [Arthur]. Jour. Mycol. 11:10. Jan. 1905.
- AECIDIUM pammelii Trel., syn. of *Dicaeoma pammelii* q. v.
- AGARICUS amygdalinus M. A. C. [Notes]. Edward Read Memminger. Jour. Mycol. 11:12-17. Jan. 1905.
- AGARICUS boletiformis Sowerby, syn. of *Sesia hirsuta* q. v.
- AGARICUS hirsutus Schaeff., syn. of *Sesia hirsuta* q. v.
- AGARICUS speciosus Batarr., syn. of *Laetiporus speciosus* q. v.
- AGARICUS specciosus Batarr., syn. of *Laetiporus speciosus* q. v.
- AGARICUS stritatus Sw., syn. of *Sesia striata* q. v.
- ALBUGO ipomoea-panduratae. Oogenesis and Fertilization in. F. L. Stevens. Bot. Gaz. 38:300-2. Oct. 1904.
- ALNUS, rotten wood, host to *Solenia gracilis* Copeland n. sp. Ann. Mycol. 2:508. 10 Dec. 1904.
- ALTERNARIA, An Undescribed, affecting the Apple. [No name; inoculation experiments]. B. O. Longyear. Science, N. S., 21:708. 5 May 1905.
- ANDROPOGON sp., host to *Sphacelotheca seymouriana* Clint. n. sp. Proc. Boston Soc. Nat. Hist. 31:387. Oct. 1904.
- ANDROPOGON virginicus, host to *Sphacelotheca seymouriana* Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:387. Oct. 1904.
- ANTHRACOIDA Bref., syn. of *Cintractia* q. v.
- APPLE Scab in Western Washington [*Venturia inaequalis* Wint., *Fusicladium dendriticum*]. W. H. Lawrence. Washington State Exp. Sta. Bull. 64:1-24. Pl. I-II. 1904.
- ARTHUR, J. C. Cultures of Uredineae in 1904. Jour. Mycol. 11:50-67. Mar. 1905.

- ARTHUR, J. C. Revised List of Indiana Rusts. Proc. Ind. Acad. Sci. for 1903:141-152. (Distributed Dec. 1904).
- ARTHUR, J. C. Sydow's Monographia Uredinearum with Notes upon the American Species. Jour. Mycol. 11:6-12. Jan. 1905.
- ASIMINA parviflora (?), host to Ionotus amplexens Murrill n. sp. Bull. Torr. Bot. Club, 31:600. Nov. 1904.
- ASTER ericoides, host to aecidium of Puccinia stipae Arth. Jour. Mycol. 11:64. Mar. 1905.
- ASTER multiflorus, host to aecidium of Puccinia stipae Arth. Jour. Mycol. 11:64. Mar. 1905.
- ASTER novae-angliae, host to aecidium of Puccinia stipae Arth. Jour. Mycol. 11:64. Mar. 1905.
- BANANA, Diseases of, *see Diseases of*. . . .
- BACTERIA, *see Pathogenic Organisms*.
- BACTERIAL Disease of Cauliflower (Brassica oleracea) and allied plants. F. C. Harrison. Ontario Agr. College and Exp. Farm, Bull. 137:1-32. Aug. 1904.
- BACTERIAL Diseases of Plants, Some, Prevalent in Ontario. F. C. Harrison & B. Barlow. Ontario Agr. Coll. Bull. 136:1-20. Aug. 1904.
- BACTERIOLOGY, The Sphere of. [Address]. Edwin Oakes Jordan. Science, N. S., 20:657-666. 18 Nov. 1904.
- BALANSIA chusqueicola P. Henn. n. sp., auf nassen Stellen von Chusquea spec. Hedwigia, 43:148. 16 May 1904.
- BANKER, Howard J. Notes on the Variability of Hypothele repanda. [Hydnum repandum]. Torreya, 4:113-7. Aug. 1904.
- BARLOW, B., *see Harrison, F. C. and Barlow, B.*
- BARTHOLOMEW, E. Ellis and Everhart's Fungi Columbiani (exsiccata). Century XX. 15 Nov. 1904.
- BLAKESLEE, A. F. Sexual reproduction in the Mucorineae. Proc. Amer. Acad. 40:205-319. Pls. 4. 1904.
- BLAKESLEE, Albert Francis. Zygosporic Formation a Sexual Process. Science, N. S. 19:864-6. 3 June 1904.
- BOERHAAVIA sp., host to Thecaphora tunicata Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:422. Oct. 1904.
- BOLETUS citrinus Planer, *syn. of Laetiporus speciosus q. v.*
- BOLETUS crinitus Spreng., *syn. of Pogonomyces hydnooides q. v.*
- BOLETUS dartmouthi MacKay n. sp. (?), collected 7th October on the first covered town site by the First Lake, Dartmouth, Halifax County, N. S. Proc. & Trans. N. S. Inst. Sci. 11:122-143. Aug. 1904. (Separate.)
- BOLETUS fibrosus Hook., *syn. of Pogonomyces hydnooides q. v.*

- BOLETUS flavus Poll., *syn. of Ionotus hirsutus q. v.*
BOLETUS fuliginosus Scop., *syn. of Ischnoderma fuliginosum q. v.*
BOLETUS hirsutus Scop., *syn. of Ionotus hirsutus q. v.*
BOLETUS hispidus Bull., *syn. of Ionotus hirsutus q. v.*
BOLETUS hydnnatus Bosc., *syn. of Pogonomyces hydnnoides q. v.*
BOLETUS hydnnoides Sw., *syn. of Pogonomyces hydnnoides q. v.*
BOLETUS radiatus Sowerby, *syn. of Ionotus radiatus q. v.*
BOLETUS resinosus Schrad., *syn. of Ischnoderma fuliginosum q. v.*
BOLETUS rubiginosus Schrad., *syn. of Ischnoderma fuliginosum q. v.*
BOLETUS spongiosus Lightf., *syn. of Ionotus hirsutus q. v.*
BOLETUS sulphureus Bull., *syn. of Laetiporus speciosus q. v.*
BRODIAEA congesta Smith, host to Puccinia subangulata Holway n. sp. N. A. Uredineae, 1:33. 15 Apr. 1905.
BURRILLIA Setch. [Doassansiopsis Diet. pp.]. Proc. Boston Soc. Nat. Hist. 31:473. Oct. 1904.
BURRILL, T. J. Micro-organisms of Soil and Human Welfare. [Address, Am. Micr. Soc., Aug. 24, 1904]. Science, N. S. 20:426-434. 30 Sept. 1904.
CAEOMURUS orobi (Pers.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:145. Dec. 1904.
CAEOMURUS solidagini-caricis (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:144. Dec. 1904.
CALANDRINIA breweri, host to Ustilago calandriniae Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:378. Oct. 1904.
CALANDRINIA menziesii, host to Ustilago calandriniae Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:378. Oct. 1904.
CAREX crinita, host to Puccinia albiperidia. [Cultures. Arthur]. Jour. Mycol. 11:59. Mar. 1905.
CAREX lanuginosa, host for Puccinia peckii (DeT.) Kellerm. [Arthur]. Jour. Mycol. 11:58. Mar. 1905.
CHRYSOPOGON nutans, host of Sphacelotheca chrysopogonis Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:388. Oct. 1904.
CHUSQUEA sp., host to Balansia chusqueicola P. Henn. n. sp. Hedwigia, 43:148. 16 May 1904.
CINTRACTIA Cornu. [Anthracoidea Bref.]. Proc. Boston Soc. Nat. Hist. 31:397. Oct. 1904.
CINTRACTIA cyperi Clinton n. sp. Host: Cyperus filiculmis. Proc. Boston Soc. Nat. Hist. 31:400. Oct. 1904.
CINTRACTIA limitata Clinton n. sp. Host: Cyperus ligularis. Proc. Boston Soc. Nat. Hist. 31:399. Oct. 1904.
CLADONIAS, Further Notes on. IV. Cladonia verticillata. Bruce Fink. Bryologist, 7:85-8. Pl. XI. Nov. 1904.

- CLADONIA verticillata. Further Notes on Cladonias. IV. Bruce Fink. Bryologist, 7:85-8. Pl. XI. Nov. 1904.
- CLEOME spinosa, host to aecidium of Puccinia subnitens Diet. [Bates; Arthur]. Jour. Mycol. 11:55. Mar. 1905.
- CLINTON, G. P. North American Ustilagineae. [Monograph]. Proc. Boston Soc. Nat. Hist. 31:329-529. Oct. 1904.
- CLINTON, G. P. The Study of Parasitic Fungi in the United States; a Lecture. Trans. Mass. Hort. Soc. 1904:91-196. 1904.
- CINTRACTIA affinis Pk., synonym of C. leucoderma (Berk.) P. Henn. [Clinton]. Proc. Boston Soc. Nat. Hist. 31:407. Oct. 1904.
- CINTRACTIA sphaerogena Hume, synonym of Ustilago sphaerogena Burr. [Clinton]. Proc. Boston Soc. Nat. Hist. 31:360. Oct. 1904.
- COLEOSPORIUM campanulae (Pers.) Lev. Cultures with spores of Peridermium pini on Campanula americana. [Kellerman]. Jour. Mycol. 11:32. Jan. 1905.
- COMMELINA, host to Puccinia commelinae Holway n. sp. Ann. Mycolog. 2:394. Sept. 1904.
- CONIOCHAETA calva, *see* Rossellinia calva. . . .
- COPRINUS bakeri Copeland n. sp. medullam Yuccae sp. Ann. Mycolog. 2:507. 10 Dec. 1904.
- CORNUELLA Setch., *syn. of* Tracyna q. v.
- CULTURES of Uredineae in 1904. J. C. Arthur. Jour. Mycol. 11:50-67. Mar. 1905.
- CUPHEA cyanea, host to Puccinia jaliscensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CUPHEA hookeriana, host to Puccinia jaliscensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CUPHEA nitidula, host to Puccinia jaliscensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CUPHEA procumbens, host to Puccinia cupheae Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CUPHEA sp., host to Puccinia cupheae Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CUPHEA squamulifera, host to Puccinia jaliscensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- CYPERUS filiculmis, host to Cintractia cyperi Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:400. Oct. 1904.
- CYPERUS ligularis, host to Cintractia limitata Clint. n. sp. Proc. Boston Soc. Nat. Hist. 31:399. Oct. 1904.

- CYTOSPORINA *adolphiae* Turconi. [Description; spermogonial stage of *Phyllachora mexicana* Turconi (*P. adolphiae* Ell. & Kellerm.)]. Jour. Mycol. 11:48. Jan. 1905.
- DAEDALEA *berkeleyi* Sacc. Syll., *syn. of Sesia berkeleyi* q. v.
- DAEDALEA *pallidofulva* Berk., *syn. of Sesia pallidofulva* q. v.
- DAEDALEA *rhabarbarima* B. & C., *syn. of Sesia berkeleyi* q. v.
- DAEDALEA *saepiaria* Fr., *syn. of Sesia hirsuta* q. v.
- DAEDALEA *striata* Fr., *syn. of Sesia striata* q. v.
- DAVIS, Bradley Moore. The Relationship of Sexual Organs in Plants. Bot. Gaz. 38:241-264. 1904.
- DICAEOMA *punctatum* (Str.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:150. 1904.
- DICAEOMA *pustulatum* (Curt.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:150. 1904.
- DICAEOMA *albiperidium* (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:145. Dec. 1904.
- DICAEOMA *caricis-asteris* (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:147. 1904.
- DICAEOMA *caricis-erigerontis* (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:147. 1904.
- DICAEOMA *caricis-solidaginis* (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:147. 1904.
- DICAEOMA *chrysanthemi* (Roze) Arth. n. n. Proc. Ind. Acad. Sci. 1903:147. 1904.
- DICAEOMA *eatoniae* (Arth.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:148. 1904.
- DICAEOMA *impatiens* (Schw.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:148. 1904.
- DICAEOMA *dulichii* (Syd.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:147. 1904.
- DICAEOMA *lobeliae*. (Ger.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:149. 1904.
- DICAEOMA *majanthae* (Schum.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:149. 1904.
- DICAEOMA *muhlenbergiae* (A.&H.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:148. 1904.
- DICAEOMA *pammelii* (Trel.) Arth. n. n. [*Puccinia panici* Diet. and *Aecidium pammelii* Trel.]. Proc. Ind. Acad. Sci. 1903:149. 1904.
- DICAEOMA *peckii* (DeT.) Arth. n. n. Proc. Ind. Acad. Sci. 1903:149. 1904.
- DICAEOMA *verbenicola* (E. & K.) Arth. n. n. [*Puccinia vilfae* A. & H.]. Proc. Ind. Acad. Sci. 1903:151. 1904.

- DICAEOMA sambuci (Schw.) Arth. n. n. [Puccinia bolleyana Sacc.]. Proc. Ind. Acad. Sci. 1903:151. 1904.
- DIPLODIA, Relationship of Macrophoma and, *see Relationship of*.
- DISCOMYCETES of Eastern Iowa. Fred. Jay Seaver. Bull. Lab. Nat. Hist. Iowa, 5:230-297. Plates I-XXV. Nov. 1904. [Separates with pagination 1-70, issued June 1904].
- DISEASES, Bacterial. *see Bacterial Diseases of*. . . .
- DISEASES of the Banana [Gloeosporium musarum Cke. & Mass., Marasmius semiustus B. & C., Fusarium sp.]. J. E. Higgins. Hawaii Agr. Exp. Sta. Bull. 7:30-2 1904.
- DISEASES of the Orange, Notes on. J. W. Mills. Bull. Cal. Agr. Exp. Sta. 138:39-42. 1902.
- DISEASES, Potato, and their Treatment, *see Syllabus of*. . . .
- DISEASES, Tobacco, and Tobacco Breeding. A. D. Selby. Ohio Agr. Exp. Sta. Bull. 156:87-114. Pl. I-VIII. Nov. 1904.
- DOASSANSIA Cornu. [Setchellia Magn., Doassansiopsis Diet. p. p.] Proc. Boston Soc. Nat. Hist. 31:476. Oct. 1904.
- DOASSANSIOPSIS Diet., *syn. of Burrillia and Doassansia q. v.*
- DUGGAR, B. M. The Cultivation of Mushrooms. U. S. Dept. Agr. Farmers' Bull. 204:1-24. 1904.
- ELEMENTARY Mycology (continued). W. A. Kellerman. Jour. Mycol. 11:34-38. Jan. 1905.
- EMERSON, Julia T. Relationship of Macrophoma and Diplodia. Bull. Torr. Bot. Club, 31:551-4. Pl. 25. Oct. 1904.
- ENDOTHLASPIS Sor., *syn. of Sphacelotheca q. v.*
- ENTYLOMA DeBy. [Rhamphospora Cunn.] Proc. Boston Soc. Nat. Hist. 31:456. Oct. 1904.
- ENTYLOMA leuto-maculans Hume n. sp. on Mertensia virginica. Proc. Ia. Acad. Sci. 9:238. 1902.
- ENTYLOMA lento-maculans Hume, synonym of E. serotinum Schroet. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:467. Oct. 1904.
- ENTYLOMA pammellii Hume n. sp., on Zizania aquatica. Proc. Ia. Acad. Sci. 9:238. 1902.
- ENTYLOMA pammellii Hume, synonym of E. lineatum (Cke.) Davis. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:457. Oct. 1904.
- ENTYLOMA ranunculi (Bon.) Schroet. [recently recognized in America. Clinton]. Proc. Boston Soc. Nat. Hist. 31:461. Oct. 1904.
- ERYSIMUM asperum, host to aecidium of Puccinia subnitens Diet. [Cultures. Arthur]. Jour. Mycol. 11:55. Mar. 1905.

- EUCHLAENA luxurians, a new host for Puccinia sorghi Schw. [Kellerman.] Jour. Mycol. 11:29. Jan. 1905.
- FARMERS' Bulletin No. 204. 1904. (B. M. Duggar. The Cultivation of Mushrooms).
- FECUNDATION in Plants. David M. Mottier. Publication No. 15, Carnegie Institution of Washington, 1-187. 1904.
- FINK, Bruce. A Lichen Society of a Sandstone Riprap. Bot. Gaz. 38:265-284. Oct. 1904.
- FINK, Bruce. Further Notes on Cladonias. IV. Cladonia verticillata. Bryologist, 7:85-8. Pl. XI. Nov. 1904.
- FINK, Bruce. Two Centuries of North American Lichenology. [Presidential address.] Proc. 1a. Acad. Sci. for 1903, 11:11-38. Pl. I. 1904.
- FREEMAN, E. M. Symbiosis in the Genus Lolium. [Comments.] Minn. Bot. Studies, 3:329-334. 18 Oct. 1904.
- FUNALIA trichomalla Pat., *syn. of Trichaptum trichomallum q. v.*
- FUNGI, A Preliminary List of the saprophytic fleshy, Known to occur in Michigan. B. O. Longyear. Mich. Acad. Sci. 1902, 4:113-125. 1904.
- FUNGI Columbiani, Ellis and Everhart's, Century XX. (exsiccata). E. Bartholomew. 15 Nov. 1904.
- FUNGI (two) growing in holes made by Wood-boring Insects (Flammula sapinea and Claudopus nidulans) Perley Spaulding. Mo. Bot. Garden, 15:73-7. Pl. 25-7. 30 April 1904.
- FUNGI of Nova Scotia; A Provisional List. A. H. MacKay. Proc. & Trans. N. S. Inst. Sci. 11:122-143. Aug. 1904. (Separate).
- FUNGI Utahensis. Fascicle one. (exsiccata; 25 specimens). A. O. Garrett. 1904.
- GARRETT, A. O. Fungi Utahensis (exsiccata; 25 specimens). 1904.
- GEMINELLA Schroet., *syn. of Schizonella q. v.*
- GEOTROPISM of Polyporus. C. E. Waters. Plant World, 7:224. Sept. 1904.
- GIBELLULA capillaris Morgan n. sp., growing out of very small dead insects and old leaves in woods. Jour. Mycol. 11:50. Mar. 1905.
- GIBELLULA Cava, The Genus [and one new species]. A. P. Morgan. Jour. Mycol. 11:49-50. Mar. 1905.
- GLYCERIA grandis, host to Ustilago arthuri Hume n. sp. Proc. 1a. Acad. Sci. 9:233. 1902.
- GLOEOPHYLLUM Karst., *syn. of Sesia q. v.*

- HARDING, H. A. and Stewart, F. C. Vitality of *Pseudomonas campestris* (Pam.) Smith on Cabbage Seed. Science N. S. 20:55-6. 8 July 1904.
- HARRIS, Carolyn W. Lichens — *Stereocaulon*, *Pilophorus* and *Thamnolia*. [General description and figures.] Bryologist, 7:71-3. Sept. 1904.
- HARRISON, F. C. and Barlow, B. Some Bacterial Diseases of Plants prevalent in Ontario. Ontario Agr. Coll. Bull. 136:1-20. Aug. 1904.
- HARRISON, F. C. A Bacterial Disease of Cauliflower (*Brassica oleracea*) and allied plants. Ontario Agr. College and Exp. Farm. Bull. 137:1-32. Aug. 1904.
- HELVELLA *faulknerae* Copeland n. sp. ad terram alluviam in nemore gregaria. Ann. Mycolog. 2:510. 10 Dec. 1904.
- HELVELLA *hegani* Copeland n. sp., ad terram alluviam in nemore gregaria. Ann. Mycolog. 2:510. 10 Dec. 1904.
- HELVELLINEAE, *see* *Minnesota Helvellineae*. . . .
- HERRE, Albert C. The Growth of *Ramularia reticulata*. Bot. Gaz. 38:218-9. Sept. 1904.
- HIGGINS, J. E. Diseases of the Banana (*Gloeosporium musarum* Cke. & Mass., *Marasmius semiustus* B. & C., *Fusarium* sp.) Hawaii Agr. Exp. Sta. Bull. 7:30-2. 1904.
- HOLWAY, E. W. D. Mexican Uredineae. [10 new species.] Ann. Mycolog. 2:392-4. Sept. 1904.
- HOLWAY, E. W. D. North American Uredineae. Vol. I. Pt. I. Pp. 1-32. Plates (photomicrographs) 1-10. Issued April 15, 1905.
- HONE, Daisy S. Minnesota Helvellineae. [Descriptions, notes and figures.] Minn. Bot. Studies, 3:309-321. Pl. XLVIII-LII. 18 Oct. 1904.
- HUME, H. H. Ustilagineae of Iowa. Proc. Ia. Acad. Sci. for 1901, 9:226-240. 1902.
- HYDNUM *repandum*, *see* *Hypothele repanda*. . . .
- HYPOTHELE *repanda*, Notes on the Variability of. [Hydnum *repandum*.] Howard J. Banker. Torreya, 4:113-7. Aug. 1904.
- INDIANA Rusts, Revised List. J. C. Arthur. Proc. Ind. Acad. Sci. for 1903:141-152. (Distributed Dec. 1904).
- INODERMA Karst., *syn. of* *Ionotus* q. v.
- INODERMA *radiatum* Karst., *syn. of* *Ionotus radiatus* q. v.
- INODERMUS *hispidus* Quel., *syn. of* *Ionotus hirsutus* q. v.
- INSECTS, dead, host to *Gibellula capillaris* Morgan n. sp. Jour. Mycol. 11:50. Mar. 1905.
- IONOTUS Karst. [Inoderma Karst.] Bull. Torr. Bot. Club 31:593. Nov. 1904.

- IONOTUS, Key to the North American species. [Murrill.] Bull. Torr. Bot. Club, 31:594. Nov. 1904.
- IONOTUS amplexans Murrill n. sp.; the fruit-bodies were found encircling living twigs of *Asimina parviflora* (?). Bull. Torr. Bot. Club, 31:600. Nov. 1904.
- IONOTUS corrosus Murrill n. sp. Bull. Torr. Bot. Club, 31:598. Nov. 1904.
- IONOTUS dryophilus (Berk.) Murrill n. n. [*Polyporus dryophilus* Berk.] Bull. Torr. Bot. Club, 31:597. Nov. 1904.
- IONOTUS fruticum (B. & C.) Murrill n. n. [*Polyporus fruticum* B. & C.] Bull. Torr. Bot. Club, 31:601. Nov. 1904.
- IONOTUS hirsutus (Scop.) Karst. [*Boletus hirsutus* Scop., *B. spongiosus* Lightf., *B. hispidus* Bull., *B. flavus* Poll., *Polyporus hispidus* Fr., *P. endocrocinus* Berk., *Inodermus hispidus* Quel.] Bull. Torr. Bot. Club, 31:594. Nov. 1904.
- IONOTUS jamaicensis Murrill n. sp. Bull. Torr. Bot. Club, 31:597. Nov. 1904.
- IONOTUS perplanus (Peck.) Murrill n. n. [*Polyporus perplanus* Peck.] Bull. Torr. Bot. Club, 31:596. Nov. 1904.
- IONOTUS pusillus Murrill n. sp.; the tiny brown sporophores were found in large numbers emerging from the lenticels of small dead branches of *Jacquinia*. Bull. Torr. Bot. Club, 31:599. Nov. 1904.
- IONOTUS radiatus (Sowerby) Karst. [*Boletus radiatus* Sowerby, *Polyporus radiatus* Fr., *P. glomeratus* Peck. *Inoderma radiatum* Karst.] Bull. Torr. Bot. Club, 31:599. Nov. 1904.
- IONOTUS texanus Murrill n. sp., on a Mesquite (?) tree. Bull. Torr. Bot. Club, 31:597. Nov. 1904.
- IONOTUS wilsonii Murrill n. sp., on decaying logs. Bull. Torr. Bot. Club, 31:598. Nov. 1904.
- IPOMOEA (jalapa?), host to *Aecidium jalapense* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.
- IPOMOEA intropilosa, host to *Puccinia noticolor* Holway n. sp. Ann. Mycolog. 8:392. Sept. 1904.
- IPOMOEA (intropilosa), host to *Puccinia rubicunda* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.
- IPOMOEA murucoides, host to *Puccinia noticolor* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.
- IPOMOEA murucoides, host to *Puccinia superflua* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.
- IPOMOEA sp., host to *Puccinia insignis* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.
- IPOMOEA sp., host to *Puccinia noticolor* Holway n. sp. Ann. Mycolog. 2:392. Sept. 1904.

- ISCHNODERMA fuliginosum (Scop.) Murrill n. n. [*Boletus fuliginosus* Scop., *B. rubiginosus* Schrad., *B. resinosus* Schrad., *Trametes benzoina* Fr.] Bull. Torr. Bot. Club, 31:606. Nov. 1904.
- JACQUINIA, dead branches, host to *Ionotus pusillus* Murrill n. sp. Bull. Torr. Bot. Club, 31:599. Nov. 1904.
- JACKYA cnici (Mart.) Arth. n. n. [*Puccinia cirsii-lanceolati* Schroet.] Proc. Ind. Acad. Sci. 1903:152. 1904.
- JORDAN, Edwin Oakes. The Sphere of Bacteriology. [Address.] Science, N. S. 20:657-66. 666 18 Nov. 1904.
- JULIANA amphifolia Hemsley & Rose, host to conidial stage of *Phyllactinia corylea*. Ann. Mycolog. 2:440. Sept. 1904.
- KELLERMAN, W. A. and Ricker, P. L., Compiled by. New Genera of Fungi published since the year 1900, with citation and original descriptions. [Continued.] Jour. Mycol. 11:18-26. Jan. 1905.
- KELLERMAN, W. A. and Ricker, P. L. First Supplement to New Genera of Fungi published since 1900 with citation and original descriptions compiled by W. A. Kellerman and P. L. Ricker. Jour. Mycol. 11:68-96. Mar. 1905.
- KELLERMAN, W. A. Elementary Mycology (continued). Jour. Mycol. 11:34-38. Jan. 1905.
- KELLERMAN, W. A. Notes from Mycological Literature X [XIII]. Jour. Mycol. 11:45. Jan. 1905.
- KELLERMAN, W. A. Ohio Fungi, Fascicle X. [Labels.] Jour. Mycol. 11:38-45. Jan. 1905.
- KELLERMAN, W. A. Uredineous Infection Experiments in 1904. Jour. Mycol. 11:26-33. Jan. 1905.
- KEY to *Bacillus subtilis* group, see *Bacillus subtilis*, Key. . . .
- KEY to the North American species of *Ionotus*, see *Ionotus*, Key.
- KEY to the N. A. Genera of *Tilletiaceae*, see *Tilletiaceae*, Key. . .
- KEY to the Genera of *Ustilagineae*, see *Ustilagineae*, Key. . .
- KEY to the N. A. Genera of *Ustilaginaceae*, see *Ustilaginaceae*, Key. . . .
- LACHNOCLADIUM hoffmanni P. Henn. n. sp., auf faulendem Holz am Erdboden.
- LAETIPORUS Murrill n. g. Polyporaceae (type *Agaricus speciosus* Batarr.). Bull. Torr. Bot. Club, 31:607. Nov. 1904.
- LAETIPORUS speciosus (Batarr.) Murrill n. n. [*Agaricus speciosus* Batarr., *Boletus sulphureus* Bull., *B. citrinus* Planer, *Polyporus sulphureus* Fr., *Polypilus sulphureus* Karst., *Polypilus speciosus* Murrill.] Bull. Torr. Bot. Club, 31:607. Nov. 1904.

- LARIX decidua, host to Melampsora bigelowii Thüm. [Cultures. Arthur.] Jour. Mycol. 11:60-2. Mar. 1905.
- LAWRENCE, W. H. The Apple Scab in Western Washington (Venturia inaequalis Wint., Fusicladium dendriticum). Washington State Exp. Sta. Bull. 64:1-24. Pl. I-II. 1904.
- LECYTHIA macrosora Pk. [synonym of Melampsora bigelowii Thüm. Arthur.] Jour. Mycol. 11:61. Mar. 1905.
- LENZITINA Karst., syn. of Sesia q. v.
- LENZITES protracta Fr., syn. of Sesia striata q. v.
- LENZITES rhabarbina B. & C., syn. of Sesia hirsuta q. v.
- LENZITES striata Fr., syn. of Sesia striata Ga q. v.
- LENZITES saepiaria Fr., syn. of Sesia hirsuta q. v.
- LENZITES vialis Peck, syn. of Sesia pallidofulva q. v.
- LEPIDIUM apetalum, host to aecidium of Puccinia subnitens Diet. [Cultures. Arthur.] Jour. Mycol. 11:55. Mar. 1905.
- LEPTOCHLOA scabra, host to Ustilago heterogena P. Henn. Hedw. 43:155. 1904.
- LIPIDIUM virginicum, host to aecidium of Puccinia subnitens Diet. [Cultures. Arthur.] Jour. Mycol. 11:55. Mar. 1905.
- LICHENOLOGY, Two Centuries of North American. Bruce Fink. [Presidential Address.] Proc. Ia. Acad. Sci. for 1903, 11:11-38. Pl. I. 1904.
- LICHENS of "The Ledges" of Boone County, Iowa. Katy A. Miller. [List.] Proc. Ia. Acad. Sci. for 1903, 11:139-146. 1904.
- LICHEN Society of a Sandstone Riprap. Bruce Fink. Bot. Gaz. 38:265-284. Oct. 1904.
- LICHENS — Stereocaulon, Pilophorus and Tamnolia. [General description and figures.] Carolyn W. Harris. Bryologist, 7:71-3. Sept. 1904.
- LLOYD, C. G. Mycological Notes [285-307] No. 18:189-204. Pl. 17-24. July 1904.
- LONGYEAR, B. O. An Undescribed Alternaria affecting the Apple. [No name; inoculation experiments.] Science, N. S. 21:708. 5 May 1905.
- LONGYEAR, B. O. New Species of Michigan Fungi. [Higher fungi, 5 species.] Rep. Mich. Acad. Sci. 1901, 3:57-60. 1902.
- LONGYEAR, B. O. Preliminary List of the Saprophytic fleshy Fungi known to occur in Michigan, [486 names]. Mich. Acad. Sci. 1902, 4:113-125. 1904.
- MACKAY, A. H. Fungi of Nova Scotia: A Provisional List. Proc. & Trans. N. S. Inst. Sci. 11:122-143. Aug. 1904. (Separate).

- MACROPHOMA and Diplodia, Relationship of. Julia T. Emerson. Bull. Torr. Bot. Club, 31:551-4. Pl. 25. Oct. 1904.
- MELAMPSORA bigelowii Thüm. Descriptions and hosts. Cultures with teleutospores from Salix amygdolides on Larix decidua. Includes Lecythia macrospora Pk. and Melampsora paradoxa D. & H. Melampsora maculosa D. & H. is *nomen nudum*. [Arthur.] Jour. Mycol. 11:60-2. Mar. 1905.
- MELAMPSORA maculosa D. & H. [*nomen nudum*. Arthur.] Jour. Mycol. 11:61. Mar. 1905.
- MELAMPSORA medusae Thuem. [Cultures on Larix decidua and L. laricina; teleutospores from Populus deltoides and P. tremuloides. Arthur.] Jour. Mycol. 11:52. Mar. 1905.
- MELAMPSORA paradoxa D. & H. [synonym of M. bigelowii Thüm. [Arthur.] Jour. Mycol. 11:61. Mar. 1905.
- MEMMINGER, Edward Read. Agaricus amygdalinus M. A. C. [Notes.] Jour. Mycol. 11:12-17. Jan 1905.
- MERTENSIA virginica, host to Entyloma lento-maculans Hume n. sp. Proc. Ia. Acad. Sci. 9:238. 1902.
- MESQUITE (?) tree, host to Ionotus texanus Murrill n. sp. Bull. Torr. Bot. Club, 31:597. Nov. 1904.
- MEXICAN Uredineae. [10 new species.] E. W. D. Holway. Ann. Mycolog. 2:392-4. Sept. 1904.
- MICHIGAN Fungi, A Preliminary List, see Longyear, B. O. . . .
- MICRO-ORGANISMS of Soil and Human Welfare. [Address, Am. Micr. Soc., Aug. 24, 1904.] T. J. Burrill. Science, N. S., 20:426-434. 30 Sept. 1904.
- MILLER, Katy A. Lichens of "The Ledges" of Boone County, Iowa. [List.] Proc. Ia. Acad. Sci. for 1903, 11:139-146. 1904.
- MILLERIA Peck, syn. of Testicularia q. v.
- MILLS, J. W. Notes on Diseases of the Orange. Bull. Cal. Agr. Exp. Sta. 138:39-42. 1902.
- MINNESOTA Helvellineae. [Descriptions, notes and figures.] Daisy S. Hone. Minn. Bot. Studies, 3:309-321. Pl. XLVIII-LII. 18 Oct. 1904.
- MONOGRAPHIA Uredinearum, Sydow's, Review and Notes. [Arthur.] Jour. Mycol. 11:6-12. Jan. 1905.
- MORGAN, A. P. The Genus Gibellula Cavara [and one new species]. Jour. Mycol. 11:49-50. Mar. 1905.
- MORGAN, A. P. Sphaeria calva Tode. [Note and description.] Jour. Mycol. 11:1-2. Jan. 1905.
- MOTTIER, David M. Fecundation in Plants. Publication No. 15. Carnegie Institution of Washington, 1-187. 1904.

- MUCORINEAE, Sexual Reproduction in the. A. F. Blakeslee. *Proc. Amer. Acad. Pls.* 4: 40:205-319. 1904.
- MURRILL, William Alphonso. A New Polyporoid Genus from South America. *Torreya*, 4:141-2. Sept. 1904.
- MURRILL, William A. A new species of Polyporus from Tennessee. [*P. arculariformis*]. *Torreya*, 4:150-1. Text figs. 1-4. Oct. 1904.
- MURRILL, William A. The Polyporaceae of North America—IX. *Ionotus*, *Sesia* and Monotypic Genera. *Bull. Torr. Bot. Club*, 31:593-610. Nov. 1904.
- MUSHROOMS, The Cultivation of. B. M. Duggar. U. S. Dept. Agr. Farmers' Bull. 204:1-24. 1904.
- MYCOLOGICAL Notes [285-307] No. 18:189-204. Pl. 17-24. July 1904. C. G. Lloyd.
- MYCOLOGY, Elementary [W. A. Kellerman], *see Elementary Mycology*. . . .
- NECROSIS Paul., *syn. of Ustilago q. v.*
- NEOVossIA Körn. [Vossia Thüm.] *Proc. Boston Soc. Nat. Hist.* 31:443. Oct. 1904.
- NEW Genera of Fungi published since the year 1900, with citation and original descriptions, compiled by W. A. Kellerman and P. L. Ricker. [Continued.] *Jour. Mycol.* 11:18-26. Jan. 1905.
- NEW Polyporoid Genus from South America. William Alphonso Murrill. *Torreya*, 4:141-2. Sept. 1904.
- NEW Species of Michigan Fungi. [Higher fungi, 5 species.] B. O. Longyear. *Rep. Mich. Acad. Sci.* 1901, 3:57-60. 1902.
- NOLINA macrocarpa, host to *Tolyposporella* (?) *nolinae* Clinton n. sp. *Proc. Boston Soc. Nat. Hist.* 31:426. Oct. 1904.
- NOTES from Mycological Literature X [XIII]. W. A. Kellerman. *Jour. Mycol.* 11:45. Jan. 1905.
- OBSERVATIONS on *Physalacria inflata* (S.) Peck. Jessie M. Polley, *Minn. Bot. Studies*, 3:323-8. Pl. LIII. 18 Oct. 1904.
- OHIO Fungi Fascicle X. [Labels.] W. A. Kellerman. *Jour. Mycol.* 11:38-45. Jan. 1905.
- OMPHALIA californica Copeland n. sp. ad terram sub *Quercibus*. [*Omphalia umbelliferae affinis*.] *Ann. Mycolog.* 2:507. 10 Dec. 1904.
- ORANGE, Notes on Diseases of, *see Diseases of*. . . .
- OVULARIOPSIS erysiphoides Pat. et Hariot, a synonym of *Phyllactinia corylea*, conidial stage. *Ann. Mycolog.* 2:442. Sept. 1904.
- OVULARIOPSIS moricola Delacroix, a synonym of *Phyllactinia corylea*, conidial stage. *Ann. Mycol.* 2:442. Sept. 1904.

- PATHOGENIC** Organisms, Some Problems in the Life History of. [Address, Section Bacteriology, International Congress of Arts and Science. St. Louis, Mo., Sept. 24, 1904.] Theobald Smith. *Science*, N. S. 20:817-832. 16 Dec. 1904.
- PARASITIC** Fungi in the United States, the Study of; a Lecture. G. P. Clinton. *Trans. Mass. Hort. Soc.* 1904:91-196. 1904.
- PERIDERMIMUM** on *Pinus rigida*. [Cultures; negative results. Arthur.] *Jour. Mycol.* 11:52. Mar. 1905.
- PERIDERMIMUM** *pini* [Cultures on *Campanula americana*. Kellerman.] *Jour. Mycol.* 11:32. Jan. 1905.
- PHRAGMIDIUM** *speciosum* Fr. [Cultures on *Rosa arkansana* Port., *R. carolina* L., *R. humilis* Marsh., and *R. nitida* Will.; negative results on *R. lucida*; teleutospores from *R. arkansana*.] *Jour. Mycol.* 11:55. Mar. 1905.
- PHYLLACHORA** *adolphiae* Ell. & Kellerm. a synonym of *Phyllachora mexicana* Turconi. *Jour. Mycol.* 11:48. Jan. 1905.
- PHYSALACRIA** *inflata* (S.) Peck. Observations on. Jessie M. Polley. *Minn. Bot. Studies*, 3:323-8. Pl. LIII. 18 Oct. 1904.
- PHYLLACHORA** *mexicana* Turconi. [Description; spermogonial stage, *Cytosporina adolphiae* Turconi. Syn. *Phallachora adolphiae* Ell. & Kellerm.] *Jour. Mycol.* 11:48. Jan. 1905.
- PHYLLACHORA** *simabae cedronis* P. Henn. n. sp., auf Blättern von *Simaba cedron*. *Hedwigia*, 43:147. 16 May 1904.
- PILOPHORUS**, *see Lichens, Stereocaulon, Philophorus*. . . .
- POLYGONUM** *bistortoides*, host to *Sphacelotheca hydropiperis* var. *borealis* Clint. n. var. *Proc. Boston Soc. Nat. Hist.* 31:395. Oct. 1904.
- PRELIMINARY** List of Michigan Saprophytic fleshy fungi, *see Longyear, B. O.* . . .
- PSEUDOMONAS** *campestris* (Pam.) Smith on Cabbage seed, Vitality of. H. A. Harding and F. C. Stewart. *Science*, N. S. 20:55-6. 8 July 1904.
- POGONOMYCES** Murrill n. g. Polyporaceae (type, *Boletus hydnoides* Sw.). *Bull. Torr. Bot. Club*, 31:609. Nov. 1904.
- POGONOMYCES** *hydnoides* (Sw.) Murrill n. n. [*Boletus hydnoides* Sw., *B. hydnatinus* Bosc., *Polyporus pellitus* Mey., *Boletus crinitus* Spreng., *B. fibrosus* Hook., *Polyporus feathermanni* Rav.] *Bull. Torr. Bot. Club*, 31:609. Nov. 1904.
- POIKILOSPORIUM** Diet., *syn. of Thecaphora q. v.*
- POLYCISTIS** Lev., *syn. of Urocystis q. v.*
- POLYGONUM** *bistortoides*, host to *Sphacelotheca hydropiperis borealis* Clinton n. var. *Proc. Boston Soc. Nat. Hist.* 31:395. Oct. 1904.

- POLYGONUM davisiae, host to Ustilago piperii Clint. n. sp. Proc. Boston Soc. Nat. Hist. 31:382. Oct. 1904.
- POLYGONUM phytolaccaefolium, host to Ustilago piperii Clint. n. sp. Proc. Boston Soc. Nat. Hist. 31:382. Oct. 1904.
- POLYPILIS speciosus Murrill, *syn. of Laetiporus speciosus q. v.*
- POLYPILIS sulphureus Karst. *syn. of Laetiporus speciosus q. v.*
- POLYPORACEAE of North America — X. Ionotus, Sesia and Montotypic Genera. William A. Murrill. Bull. Torr. Bot. Club, 31:593-610. Nov. 1904.
- POLYPORUS, A new species of Polyporus, from Tennessee. [P. arculariformis.] William A. Murrill. Torreyia, 4:150-1. Text figs. 1-4. Oct. 1904.
- POLYPORUS arculiformis Murrill n. sp., on dead Oak and Chestnut sticks in deciduous woods. Torreyia, 4:151. Text figs. 1-4. Oct. 1904.
- POLYPORUS dryophilus Berk., *syn. of Ionotus dryophilus q. v.*
- POLYPORUS endocrocinus Berk., *syn. of Ionotus hirsutus q. v.*
- POLYPORUS feathermanni Rav., *syn. of Pogonomyces hydnoides q. v.*
- POLYPORUS fruticum B. & C., *syn. of Ionotus fruticum q. v.*
- POLYPORUS, Geotropism of. C. E. Waters. Plant World, 7:224. Sept. 1904.
- POLYPORUS glomeratus Peck, *syn. of Ionotus radiatus q. v.*
- POLYPORUS hispidus Fr., *syn. of Ionotus hirsutus q. v.*
- POLYPORUS pellitus Mey., *syn. of Pogonomyces hydnoides q. v.*
- POLYPORUS perplanus Peck, *syn. of Ionotus perplanus q. v.*
- POLYPORUS polychrous Copeland n. sp. ad truncum mortuum Quercus lobatae. Ann. Mycolog. 2:507. 10 Dec. 1904.
- POLYPORUS radiatus Fr., *syn. of Ionotus radiatus q. v.*
- POLYPORUS sulphureus Fr., *syn. of Laetiporus speciosus q. v.*
- POLYPORUS trichomallus Berk. & Mont., *syn. of Trichaptum trichomallum q. v.*
- POLLEY, Jessie M. Observations on Physalacria inflata (S.) Peck. Minn. Bot. Studies, 3:323-8. Pl. LIII. 18 Oct. 1904.
- PUCCINIA albiperidia Arth. [Cultures. Arthur.] Jour. Mycol. 11:58. Mar. 1905.
- PUCCINIA augustata Peck. [Cultures on Lycopus americana. Arthur.] Jour. Mycol. 11:58. Mar. 1905.
- PUCCINIA aplopappi Syd. is a synonym of P. tuberculans E. & E. [Arthur.] Jour. Mycol. 11:7. Jan. 1905.
- PUCCINIA asperior E. & E., a synonym of P. jonesii Pk. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.

- PUCCINIA bakeriana Arth. is a synonym of *P. ellisii* DeT. [Arthur.] Jour. Mycol. 11:12. Jan. 1905.
- PUCCINIA bolleyana Sacc., *syn. of Dicaeoma sambuci q. v.*
- PUCCINIA californica Diet. is a synonym of *P. cirsii* Lasch. [Arthur.] Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA caricis-erigerontis Arth. [Cultures. Arthur.] Jour. Mycol. 11:58. Mar. 1905.
- PUCCINIA cirsii-lanceolati Schroet., *syn. of Jackya cnici q. v.*
- PUCCINIA commelinae Holway n. sp., on *Commelina*. Ann. Mycol. 2:394. Sept. 1904.
- PUCCINIA confluens Syd. is an incidental variation of *P. erigerontis* E. & E. [Arthur.] Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA cornigera E. & E., a synonym of *P. actinellae* (Webb.) Syd. [Arthur.] Jour. Mycol. 11:7. Jan. 1905.
- PUCCINIA cupheae Holway n. sp., on *Cuphea* sp. (type) and *C. procumbens*. Ann. Mycol. 2:393. Sept. 1904.
- PUCCINIA cymopteri D. & H., a synonym of *P. jonesii* Pk. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.
- PUCCINIA diffusa Holway n. n. [*P. ranunculi* Seym.] N. A. Uredineae, 1:13. 15 Apr. 1905.
- PUCCINIA esclavensis D. & H. should be written *eslavensis*, type locality is *Eslava*, not *Esclava*. [Arthur.] Jour. Mycol. 11:11. Jan. 1905.
- PUCCINIA esclavensis [instead of *P. esclavensis*], *see P. esclavensis*.
- PUCCINIA expansa Lk. not found in America; Sydow Ured. No. 782, on *Senecio lugens*. Calif., belongs to *P. subcircinata* E. & E. Jour. Mycol. 11:9. Jan. 1905.
- PUCCINIA fraxinata (Schw.) Arth. [Cultures on *Ligustrum vulgare*, *L. ovalifolium*, *Syringa vulgaris*, *Chiononthus virginica*, *Adelia acuminata*, *A. ligustrina* — unsuccessful; and on *Fraxinus lanceolata* — successful. Arthur.] Jour. Mycol. 11:56. Mar. 1905.
- PUCCINIA gutierreziae E. & E. is a synonym of *P. grindeliae* Pk. [Arthur.] Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA helianthi Schw. [Cultures; includes *P. helianthorum* Schw.; only one species inhabiting all the species of *Helianthus*. Kellerman.] Jour. Mycol. 11:30-2. Jan. 1905.
- PUCCINIA helianthi Schw. [Cultures with teleutospores from *Helianthus laetiflorus*, *H. mollis*, and *H. grosse-serratus* on 15 species of *Helianthus*. Arthur.] Jour. Mycol. 11:53-4. Mar. 1905.
- PUCCINIA helianthorum Schw. [Cultures; a synonym of *P. helianthi* Schw. Kellerman.] Jour. Mycol. 11:30-2. Jan. 1905.

- PUCCINIA hydnoidea (B. & C.) Arthur [does not belong to the *Bromus* rust, but to some teleutosporic form not yet identified. Arthur.] Jour. Mycol. 11:62. Mar. 1905.
- PUCCINIA impatientis (Schw.) Arth. [Cultures with teleutospores from *Elymus virginicus* successful on *Impatiens aurea*, unsuccessful on *Clematis virginiana*. Arthur.] Jour. Mycol. 11:57. Mar. 1905.
- PUCCINIA inclusa Syd. a synonym of *P. cirsii* Lasch. Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA insignis Holway n. sp. on *Ipomoea* sp. Ann. Mycolog. 2:392. Sept. 1904.
- PUCCINIA jaliscensis Holway n. sp., on *Cuphea hookeriana* (type), *C. cyanea*, *C. nitidula*, and *C. squamulifera*. Ann. Mycolog. 2:393. Sept. 1904.
- PUCCINIA nardosmiae E. & E. appears to be a synonym of *P. conglomerata* (Str.) K. & S. [Arthur.] Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA noticolor Holway n. sp. on *Ipomoea* sp., *I. intropilosa*, and *I. murucoides*. Ann. Mycolog. 2:392. Sept. 1904.
- PUCCINIA omnivora E. & E., a synonym of *P. windsoriae* Schw. [Arthur.] Jour. Mycol. 11:11. Jan. 1905.
- PUCCINIA on *Carex grvida*. [Cultures; negative results. Arthur.] Jour. Mycol. 11:52. Mar. 1905.
- PUCCINIA on *Carex pennsylvanica*. [Cultures; negative results. Arthur.] Jour. Mycol. 11:51. Mar. 1905.
- PUCCINIA on *Elymus canadensis*. [Cultures; negative results. Arthur.] Jour. Mycol. 11:51. Mar. 1905.
- PUCCINIA on *Muhlenbergia mexicana* and *M. racemosa*. [Cultures; negative results. Arthur.] Jour. Mycol. 11:51. Mar. 1905.
- PUCCINIA pammelii (Trel.) Arthur n. n. [*P. panici* Dietel.] Jour. Mycol. 11:56. Mar. 1905.
- PUCCINIA panici Dietel. [Cultures on *Euphorbia corollata* L.; *P. pammelii* (Trel.) n. n. Arthur.] Jour. Mycol. 11:56. Mar. 1905.
- PUCCINIA panici Dietel, *syn. of P. pammelii* q. v.
- PUCCINIA panici Diet., *syn. of Dicaeoma pammelii* q. v.
- PUCCINIA peckii (DeT.) Kellerm. [Cultures with teleutospores from *Carex lanuginosa*, a new host. Arthur.] Jour. Mycol. 11:58. Mar. 1905.
- PUCCINIA philibertae E. & E. a synonym of *P. gonolobi* Rav. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.
- PUCCINIA pittieriana P. Henn. n. sp., auf lebenden Blättern von *Solanum tuberosum*. Hedwigia, 43:147. 16 May 1904.

- PUCCINIA poculiformis (Jacq.) Wettst. [Cultures on various hosts. Arthur.] Jour. Mycol. 11:57. Mar. 1905.
- PUCCINIA podophylli Schw. [Cultures; sowing of aecidiospores did not give rise to secondary aecidia. Arthur.] Jour. Mycol. 11:65. Mar. 1905.
- PUCCINIA polygoni-amphibii Pers. [Cultures on Geranium maculatum L. (Aecidium sanguinolentum Lindl.) Arthur.] Jour. Mycol. 11:59. Mar. 1905.
- PUCCINIA procera D. & H., a synonym of *P. montanensis* Ellis. [Arthur.] Jour. Mycol. 11:11. Jan. 1905.
- PUCCINIA lagophyllae D. & H., a synonym of *P. hemizoniae* E. & T. [Arthur.] Jour. Mycol. 11:8. Jan. 1905.
- PUCCINIA lindrothii Syd., a synonym of *P. jonesii* Pk. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.
- PUCCINIA longpipes Lagh., a synonym of *P. vernoniae* Schw. [Arthur.] Jour. Mycol. 11:7. Jan. 1905.
- PUCCINIA ludibunda E. & E. [Cultures; negative results. Arthur.] Jour. Mycol. 11:52. Mar. 1905.
- PUCCINIA microica Ellis, a synonym of *P. cryptotaeniae* Pk. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.
- PUCCINIA ranunculi Szym., *syn. of P. diffusa* q. v.
- PUCCINIA recondita D. & H. belongs under *P. conferta* D. & H. [Arthur.] Jour. Mycol. 11:7. Jan. 1905.
- PUCCINIA rhamni (Pers.) Wettst. [Cultures of aecidiospores from Rhamnus lanceolata, R. caroliniana, and R. cathartica on Avena sativa. Arthur.] Jour. Mycol. 11:58. Mar. 1905.
- PUCCINIA rubicunda Holway n. sp., on Ipomoea (intropilosa). Ann. Mycolog. 2:392. Sept. 1904.
- PUCCINIA similis E. & E. is a synonym of *P. absinthii* DC. [Arthur.] Jour. Mycol. 11:7. Jan. 1905.
- PUCCINIA sorghi Schw. [Infection experiments; no biological species; a new host, Euchlaena luxurians. Kellerman.] Jour. Mycol. 11:27-30. Jan. 1905.
- PUCCINIA sphaerocondra Lindr. is a synonym of *P. jonesii* Pk. [Arthur.] Jour. Mycol. 11:10. Jan. 1905.
- PUCCINIA subangulata Holway n. sp. on Brodiaea congesta Smith. N. A. Uredineae, 1:33. 15 Apr. 1905.
- PUCCINIA subnitens Diet. [Cultures with teleutospores from Distichlis spicata (L.) Greene on Chenopodium album, Cleome spinosa, Lepidium apetalum, L. virginicum, Sophia incisa and Erysimum asperum. Arthur.] Jour. Mycol. 11:54-6. Mar. 1905.
- PUCCINIA substerilis E. & E. a synonym of *P. stipae* Arth. The so-called uredospores are amphispores. [Arthur.] Jour. Mycol. 11:11. Jan. 1905.

- PUCCINIA superflua Holway n. sp., on Ipomoea murucoides. Ann. Mycolog. 2:392. Sept. 1904.
- PUCCINIA stipae Arth. [Cultures on Aster ericoides, and A. novae—angliae; description of the aecidium; also found on Aster multiflorus. Arthur.] Jour. Mycol. 11:63-5. Mar. 1905.
- PUCCINIA thompsonii Hume. [Cultures on Sambucus canadensis; synonymy. Kellerman.] Jour. Mycol. 11:32. Jan. 1905.
- PUCCINIA tomipara Trel. [Cultures with teleutospores from Bromus purgans on Clematis virginiana; previous record of connection of this rust with aecidium on Dirca palustris was a mistake. Arthur.] Jour. Mycol. 11:62. Mar. 1905.
- PUCCINIA tracyi Sacc. & Syd., a synonym of P. solidaginis Pk. [Arthur.] Jour. Mycol. 11:9. Jan. 1905.
- PUCCINIA verbenicola (E. & K.) Arth. [Cultures with teleutospores from Sporobolus longifolius on Verbena urticaefolia. Arthur.] Jour. Mycol. 11:56. Mar. 1905.
- PUCCINIA verbesinae Schw. [Hosts; relation to P. cognata Syd. Arthur.] Jour. Mycol. 11:9. Jan. 1905.
- PUCCINIA vilfae A. & H., syn of *Dicaeoma verbenicola* q. v.
- PUCCINIA windsorise Schw. [Cultures on Ptelea successful, on Xanthoxylum americanum unsuccessful. Arthur.] Jour. Mycol. 11:56. Mar. 1905.
- PUCCINIA xylorrhizae Arth. [Pseudospores; remnants of peridium; aecidial stage a few peridial cells; uredinal stage a few loose uredospores. Arthur.] Jour. Mycol. 11:9. Jan. 1905.
- QUERCUS lobata, host to Polyporus polychrous Copeland n. sp. Ann. Mycolog. 2:507. 10 Dec. 1904.
- RAMALINA reticulata, the Growth of. Albert C. Herre. Bot. Gaz. 38:218-9. Sept. 1904.
- RELATIONSHIP of Macrophoma and Diplodia. Julia T. Emerson. Bull. Torr. Bot. Club, 31:551-4. Pl. 25. Oct. 1904.
- REVIEW of Sydow's Monographia Uredinearum with Notes on American species. J. C. Arthur. Jour. Mycol. 11:6-12. Jan. 1905.
- REVISED List of Indiana Rusts, see Arthur, J. C. . . .
- RHAMPHOSPORA Cunn., syn. of *Entyloma* q. v.
- RHUS mollis, host to Uromyces patzcuarensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- RHUS schmidelioides, host to Uromyces patzcuarensis Holway n. sp. Ann. Mycolog. 2:393. Sept. 1904.
- RICKER, P. L., see Kellerman, W. A. and Ricker, P. L. . . .
- RORIPA sinuata (Nutt.) Hitch., host to aecidium of Puccinia subnitens Diet. [Bates.] Jour. Mycol. 11:55. Mar. 1905.

- ROSSELLINIA (*Coniochaeta*) *calva* Tode. [Note and description. Morgan.] Jour. Mycol. 11:1-2. Jan. 1905.
- RUELLIA, host to *Uromyces ruelliae* Holway n. sp. Ann. Mycolog. 2:394. Sept. 1904.
- RUMEX acetosella, host to *Ustilago rumicis* (Berk.) Clinton n. sp. Proc. Boston Soc. Nat. Hist. 31:380. Oct. 1904.
- RUMEX hastatulus, host to *Ustilago rumicis* (Berk.) Clint. n. sp. Proc. Boston Soc. Nat. Hist. 31:380. Oct. 1904.
- SALIX amygdaloides. [Host to *Melampsora bigelowii* Thüm. Cultures. Arthur.] Jour. Mycol. 11:60-2. Mar. 1905.
- SCHIZONELLA Schröt. [*Geminella* Schröt.] Proc. Boston Soc. Nat. Hist. 31:408. Oct. 1904.
- SEAYER, Fred Jay. A New Species of *Sphaerosoma*. Jour. Mycol. 11:2-5. Pl. 75. Jan. 1905.
- SEAYER, Fred. J. Discomycetes of Eastern Iowa. Bull. Lab. Nat. Hist. Iowa, 5:230-297. Plates I-XXV. Nov. 1904. [Separates with pagination 1-70, issued June 1904.]
- SELBY, A. D. Tobacco Diseases and Tobacco Breeding. Ohio Agr. Exp. Sta. Bull. 156:87-114. Pl. I-VIII. Nov. 1904.
- SEQUOIA sempervirens, rotten wood, host to *Trametes sequoiae* Copeland n. sp. Ann. Mycolog. 2:208. 10 Dec. 1904.
- SERDA Adans., *syn. of Sesia q. v.*
- SEsia Adams. [*Serda* Adans., *Gloeophyllum* Karst., *Lenzitina* Karst.] Bull. Torr. Bot. Club, 31:602. Nov. 1904.
- SEsia berkeleyi (Sacc.) Murrill n. n. [*Daedalea rhabarbarina* Berk. & Cke.] not Mont., *D. berkeleyi* Sacc. Syll. Bull. Torr. Bot. Club, 31:604. Nov. 1904.
- SEsia hirsuta (Schaeff.) Murrill. [*Agaricus hirsutus* Schaeff., *A. saepiarius* Wulf., *A. boletiformis* Sowerby, *Daedalea saepiaria* Fr., *Lenzites saepiaria* Fr., *L. rhabarbarina* B. & C.] Bull. Torr. Bot. Club, 31:603. Nov. 1904.
- SEsia, Key to the North American species. [Murrill.] Bull. Torr. Bot. Club, 31:602. Nov. 1904.
- SEsia pallidofulva (Berk.) Murrill n. n. [*Daedalea pallidofulva* Berk., *Lenzites vialis* Peck.] Bull. Torr. Bot. Club, 31:605. Nov. 1904.
- SEsia striata (Sw.) Murrill n. n. [*Agaricus striatus* Sw., *Daedalea striata* Fr., *Lenzites striata* Fr., *L. protracta* Fr.] Bull. Torr. Bot. Club, 31:604. Nov. 1904.
- SETCHELLIA Magn., *syn. of Doassansia q. v.*
- SEXUAL Organs in Plants, The Relationship of. Bradley Moore Davis. Bot. Gaz. 38:241-264. 1904.
- SEXUAL Process, Zygosporic Formation a. Albert Francis Blakeslee. Science, N. S. 19:864-6. 3 June 1904.

- SIMBA cedron, host to *Phyllachora simbae cedronis* P. Henn. n. sp. *Hedwigia*, 43:147. 16 May, 1904.
- SMITH, Theobald. Some Problems in the Life History of Pathogenic Organisms. Address, Sect. Bacteriology, Internat. Cong. of Arts and Science. St. Louis, Mo., Sept. 24, 1904.] *Science*, N. S. 20:817-832. 16 Dec. 1904.
- SOIL Bacteria, related to *Bacillus subtilis*, see *Chester, Frederick D., Observations on.* . . .
- SOLANUM tuberosum, host to *Puccinia pittieriana* P. Hennings n. sp. *Hedwigia*, 43:147. 16 May 1904.
- SOLENIA gracilis Copeland n. sp. ad lignum putrifum Alni. *Ann. Mycolog.* 2:508. 10 Dec. 1904.
- SOPHIA incisa (Englm.) Greene, host to aecidium of *Puccinia subnitens* Diet. [Bates.] *Jour. Mycol.* 11:55. Mar. 1905.
- SPAULDING, Perley. Two Fungi growing in Holes made by Wood-boring Insects (*Flammula sapineus* and *Claudopus nudulans*). *Mo. Bot. Garden*, 15:73-7. Pl. 25-7. 30 April 1904.
- SPHACELOTHECA chrysopogonis Clint. n. sp. Host: *Chrysopogon nutans*. *Proc. Boston Soc. Nat. Hist.* 31:387. Oct. 1904.
- SPHACELOTHECA DeBy. [*Endothlaspis* Sor.] *Proc. Boston Soc. Nat. Hist.* 31:383. Oct. 1904.
- SPHACELOTHECA hydropiperis borealis Clinton n. var. Host: *Polygonum bistortoides*. *Proc. Boston Soc. Nat. Hist.* 31:395. Oct. 1904.
- SPHACELOTHECA nealii (Ell. & And.) Clint. n. comb. [*Ustilago nealii* Ell. & And., *U. floridana* Ell. & Ev. herbarium name.] *Proc. Boston Soc. Nat. Hist.* 31:389. Oct. 1904.
- SPHACELOTHECA seymouriana Clint. n. sp. Hosts: *Andropogon virginicus*. *Andropogon* sp. *Proc. Boston Soc. Nat. Hist.* 31:387. Oct. 1904.
- SPHACELOTHECA strangulans (Issat.) Clinton n. n. [*Ustilago strangulans* Issat.] *Proc. Boston Soc. Nat. Hist.* 31:392. Oct. 1904.
- SPHAERIA calva Tode. A. P. Morgan. [Note and description.] *Jour. Mycol.* 11:1-2. Jan. 1905.
- SPHAEROSOMA, a New Species of. Fred. Jay Seaver. *Jour. Mycol.* 11:2-5. Pl. 75. Jan. 1905.
- SPHAEROSOMA echinulatum Seaver n. sp., on surface of damp soil in woods. *Jour. Mycol.* 11:2. Jan. 1905.
- STEREOCAULON, see *Lichens, Stereocaulon.* . . .
- STEVENS, F. L. Oogenesis and Fertilization in *Albugo ipomoeae-panduratae*. *Bot. Gaz.* 38:300-2. Oct. 1904.

- STEWART, F. C. and Eustace, H. J. Syllabus of Illustrated Lecture on Potato Diseases and their Treatment. U. S. Dept. Agr. Office Exp. Sta. Farmers' Inst. Lect. No. 2:1-30. 1904.
- STEWART, F. C. *see* Harding, H. A. and
- SUPPLEMENT, First, to New Genera of Fungi published since the year 1900 with citation and original descriptions, compiled by W. A. Kellerman and P. L. Ricker. Jour. Mycol. 11:68-96. Mar. 1905.
- SYLLABUS of Illustrated Lecture on Potato Diseases and their Treatment. F. C. Stewart and H. J. Eustace. U. S. Dept. Agr. Office Exp. Sta. Farmers' Inst. Lect. No. 2:1-30. 1904.
- SYMBIOSIS in the Genus *Lolium*. [Comments.] E. M. Freeman. Minn. Bot. Studies, 3:329-334. 18 Oct. 1904.
- TESTICULARIA KLOTZ. *Milleria* Pk.] Proc. Boston Soc. Nat. Hist. 31:428. Oct. 1904.
- TEOSINTE, *see* *Euchlaena luxurians*. . . .
- THAMNOLIA, *see* *Lichens*, *Stereocaulon*, *Pilophorus*, *Thamnotia*. .
- THECAPHORA Fingerh. [Poikilosporium Diet.] Proc. Boston Soc. Nat. Hist. 31:417. Oct. 1904.
- THECAPHORA tunicata Clint. n. sp. Host: *Boerhaavia* sp. Proc. Boston Soc. Nat. Hist. 31:422. Oct. 1904.
- TILLETIA *airae* Blytt, on *Deschampsia calycina*. [Not before reported. Clinton.] Proc. Boston Soc. Nat. Hist. 31:434. Oct. 1904.
- TILLETIACAE, Key to the N. A. genera. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:430. Oct. 1904.
- TILLETIA subfusca Hume n. sp., on *Sporobolus neglectus*. Proc. Ia. Acad. Sci. 9:235. 1902.
- TILLETIA subfusca Hume n. sp., synonym of *Ustilago vilfae* Wint. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:366. Oct. 1904.
- TOLYPOSPORELLA ? *nolinae* Clint. n. sp. Host: *Nolina microcarpa*. Proc. Boston Soc. Nat. Hist. 31:426. Oct. 1904.
- TRACYA Syd. [Cornuella Setch.] Proc. Boston Soc. Nat. Hist. 31:484. Oct. 1904.
- TRAMETES benzoina Fr., *syn. of Ischnoderma fuliginosum* q. v.
- TREMETES *sequoiae* Copeland n. sp. ad lignum *Sequoiae* semper-virentis. Ann. Mycolog. 2:257 (?). 10 Dec. 1904.
- TRELEASE, William. Aberrant Veil Remnants in some Edible Agarics (*Lepiota naucinus*, *Agaricus amygdalinus*, and *Hypopholoma appendiculatum*). Mo. Bot. Garden, 15:83-5. Pl. 30-9. 30 Apr. 1904.
- TRICHAPTUM Murrill n. g. Polyporaceae (type, *Polyporus trichomallus* Berk. & Mont.). Bull. Torr. Bot. Club, 31:608. Nov. 1904.

- TRICHAPTUM trichomallum (Berk. & Mont.) Murrill n. n.
[Polyporus trichomallus Berk. & Mont., Funalia trichomalla Pat.] Bull. Torr. Bot. Club, 31:608.
- TRIPLASIS americana, host to Ustilago triplasidis Ell. & Ev. n. sp.
Proc. Boston Soc. Nat. Hist. 31:355. Oct. 1904.
- TYLOSTOMA lloydii Bresadola. Ann. Mycolog. 2:423. Sept. 1904.
- UREDINEAE, Cultures of, 1904. J. C. Arthur. Jour. Mycol. 11:50-67. Mar. 1905.
- UREDINEAE, North American. E. W. D. Holway. Vol. I., Part 1, pp. 1-32. Plates (photomicrographs) 1-10. Issued April 15, 1905.
- UREDINOUS Infection Experiments in 1904. W. A. Kellerman. Jour. Mycol. 11:26-33. Jan. 1905.
- UROCYSTIS colchici (Schl.) Rab., on Polygonatum giganteum [a rare species. Clinton.] Proc. Boston Soc. Nat. Hist. 31:452. Oct. 1904.
- UROCYSTIS Rab. [Polycistis Lev.] Proc. Boston Soc. Nat. Hist. 31:446. Oct. 1904.
- UROMYCES ruelliae Holway n. sp., on Ruellia. Ann. Mycolog. 2:394. Sept. 1904.
- UROMYCES patzcuarensis Holway n. sp., on Rhus schmidelioides (type) and R. mollis. Ann. Mycolog. 2:393. Sept. 1904.
- USTILAGIDIUM Herz., *syn. of Ustilago q. v.*
- USTILIGINACEAE, Key to the N. A. Genera. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:335. Oct. 1904.
- USTILAGINEAE, North American. [Monograph.] G. P. Clinton. Proc. Boston Soc. Nat. Hist. 31:329-529. Oct. 1904.
- USTILAGINEAE, Key to the N. A. Genera. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:334. Oct. 1904.
- USTILAGINEAE, North American. [Monograph.] B. P. Clinton. Proc. Boston Soc. Nat. Hist. 31:329-529. Oct. 1904.
- USTILAGINEAE of Iowa. H. H. Hume. Proc. Ia. Acad. Sci. for 1901, 9:226-240. 1902.
- USTILAGO arthuri Hume n. sp., on Glyceria grandis. Proc. Ia. Acad. Sci., 9:233. 1902.
- USTILAGO calandriniae Clint. n. sp. Hosts: Calandrinia breweri, and C. menziesii. Proc. Boston Soc. Nat. Hist. 31:378. Oct. 1904.
- USTILAGO floridana Ell. & Ev., herb. name, *syn. of Sphacelotheca nealii q. v.*
- USTILAGO heterogena P. Henn. n. sp., on Leptochloa scabra. Hedw. 43:155. 1904.
- USTILAGO minima Arth. [distinct from U. hypodytes. Clinton.] Proc. Boston Soc. Nat. Hist. 31:337. Oct. 1904.

- USTILAGO muhlenbergiae Clint., synonym of *U. muhlenbergiae* P. Henn. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:347. Oct. 1904.
- USTILAGO nealii Ell. & And., *syn. of Sphacelotheca nealii* q. v.
- USTILAGO Pers., *syn. of Ustilago* q. v.
- USTILAGO piperii Clint. n. sp. on *Polygonum davisiae*. Proc. Boston Soc. Nat. Hist. 31:382. Oct. 1904.
- USTILAGO piperi Clinton s. p. Hosts: *Polygonum davisii* and *P. phytolaccaefolium*. Proc. Boston Soc. Nat. Hist. 31:382. Oct. 1904.
- USTILAGO rumicis (Berk.) Clinton n. sp. Hosts: *Rumex acetosella* and *R. hastatulus*. Proc. Boston Soc. Nat. Hist. 31:380. Oct. 1904.
- USTILAGO rumicis (Berk.) Clinton n. sp. [*Ustilago utriculosa* var. *rumicis* Berk.] Hosts: *Rumex acetosella* and *R. hastatulus*. Proc. Boston Soc. Nat. Hist. 31:385. Oct. 1904.
- USTILAGO Rouss. [Necrosis Paul., *Ustilago* Pers., *Ustilagidium* Herz.] Proc. Boston Soc. Nat. Hist. 31:336. Oct. 1904.
- USTILAGO scolochloae Griff., synonym of *U. arthurii* Hume. [Clinton.] Proc. Boston Soc. Nat. Hist. 31:373. Oct. 1904.
- USTILAGO strangulans Isaak., *syn. of Sphacelotheca strangulans* q. v.
- USTILAGO triplasidas Ell. & Ev. n. sp. Host: *Triplasis americana*. Proc. Boston Soc. Nat. Hist. 31:355. Oct. 1904.
- USTILAGO utriculosa var. *rumicis* Berk., *syn. of Ustilago rumicis* Clint. q. v.
- VERPA chicoensis Copeland n. sp. in nemore graminoso. Ann. Mycolog. 2:508. 10 Dec. 1904.
- VOSSIA Thüm., *syn. of Neovossia* q. v.
- WATERS, C. E. Geotropism of *Polyporus*. Plant World, 7:224. Sept. 1904.
- YUCCA sp., host to *Coprinus bakeri* Copeland n. sp. Ann. Mycolog. 2:507. 10 Dec. 1904.
- ZIZANIA aquatica, host to *Entyloma pammelii* Hume n. sp. Proc. Ia. Acad. Sci. 9:238. 1902.
- ZYGOSPORE Formation a Sexual Process. Albert Francis Blakeslee. Science, N. S. 19:864-6. 3 June 1904.